INTERNATIONAL SEARCH REPORT

Rec'd	PCT/EP 03/111/73	APR	200

•			101/11 00	711170
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER E21B47/04 G01V3/30			Y
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC		
	SEARCHED			
Minimum do IPC 7	cumentation searched (classification system followed by classification E21B G01V	on symbols)		
	ion searched other than minimum documentation to the extent that so			
EPO-In	ata base consulted during the International search (name of data bas	se and, where practical,	search terms used)
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages		Relevant to claim No.
X	FR 2 402 188 A (ELECTRIC POWER RE 30 March 1979 (1979-03-30) page 4, line 17 - line 26 page 6, line 24 - line 28 page 7, line 8 - line 10 page 7, line 27 - line 28; figure			1,3,5,10
A	US 5 233 522 A (SINCLAIR PAUL L) 3 August 1993 (1993-08-03) column 2, line 39 - line 63; figu	ıre 1		1,10
А	FR 2 613 842 A (CHEVRON RES) 14 October 1988 (1988-10-14) claim 1; figures 1,3			1,10
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; ; ;				3**
X Funt	ner documents are listed in the continuation of box C.	X Patent family	members are listed	in annex.
*T later document published after the interconsidered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document published prior to the international filing date but later than the priority date and not in conflict with cited to understand the priority or the art which is cited to understand the priority or the international filing date or cannot invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an involve an involve an involve an involve and indecember of the same patent. "B" document published after the international filing date but later than the priority date claimed." "T" later document published after the international filing to an or priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority date and not in conflict with cited to understand the priority d		the application but early underlying the claimed invention to considered to coument is taken alone claimed invention ventive step when the pre other such docuus to a person skilled		
	actual completion of the international search 6 February 2004	Date of mailing of 03/03/2	the international sec	arch report
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Dantinn	e, P	

Form PCT/ISA/210 (second sheet) (July 1992)

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A	GB 2 355 477 A (BAKER HUGHES INC) 25 April 2001 (2001-04-25)	1,10		
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